U. S. PICKS MURRAY USE YOUR BRAKES FOR BIG MAGNETO JOB

president of Bethlehem Motor Expert Gives Valuable Advice Truck Company Will Manage Bosch Plant.

During the past week A. Mitchell

president of the Bethlehem Motors Cor-Arthur Murray, whose activities in the order field are known throughout the motor field are known toroughout the point where you wish to stop. This



ARTHUR T. MURRAY.

There was tremendous buying under

WITH GREAT CARE

on Handling Them in Various Situations.

"Use your brakes intelligently and palmer, the Allen Property Custodian of only when absolutely necessary is an the United States, was called upon to excellent motto to have printed on the find a man who was competent to step in, instrument board of every car," says reorganize and operate one of the great- William H. Stewart, Jr., president of the That seems like quite a difficult problem but it didn't take Mr. Palmer long
to put his finger on his man. He laid
his proposition before Arthur T. Murray,
wears the brakes, racks the mechanism of the cur and injures the tires-three Murray, being a quick thinker, accepted. sood reasons why such treatment should be avoided.

his propositions and running them the point where you wish to stop. This essfully. Among his most recent may be learned with a little practice successes was the organization and opgration of the now famous Bethlehem
Motors Corporation, of which he is president.

The Bosch Magneto Company, of
which Mr. Murray has been appointed
general manager, was recently taken
over by the United States Government
under the alien enemy ownership act,
it is probably the largest concern of its
kind in the, world. Its assets are stated
as \$7,000,000, with no liabilities. It is
the sole manufacturer in this country
of the famous Bosch magneto.

may be learned with a little practice
and should always be done on a level
road. If you find you are going a little
too far a light pressure on the pedal
will stop you. This is far better than
dashing up to a place and then jamming on both brakes to make a spectacular stop. Besides wearing the
brake lining and attachments it racks
the tires severely, sometimes making the
wheels lock and the tires slide. This
wears away the tread in one spot. If
this is gone frequently the tread will be
ruined and an any processor. he sole manufacturer in this country of the famous Hosch magneto.

Mr Murray's problem will be one not only of reorganization, of which he is a known master, but he will also be "When coasting down a hill use the "When coasting down a hill use the

responsible for the manufacture and marketing of a product which while recognized as being practically the leader in its field is still in more or less had odor owing to the natural feeling of enmity for an alien product. Mr. Murray's executive and business ability must therefore be backed by an unusual amount of diplomacy and tact in handling this more than difficult situation.

Mr. Murray, a native of Norwalk, Mr. Murray, a native of Norwalk, conn. though still a young man, has to a brake rod and so tarows water every achieved some remarkable successes. His record with the Brady-Murray from one brake to the other does not cool the drums on the wheels, as one brake operates on the outside and the other on the inside of each drum. So it

is advisable to relieve the brakes as much as possible. "This is accomplished by using the engine as a brake. On a gentle slope stay in high gear with engine throttled down and do without the brakes. On a steeper

grade use the second gear or the first if the car is a heavy one.

"When the emergency brake is used on a hill it must be applied with caution or the brake rods will be broken. If the brake is set and the hand removed If the brake is set and the hand removed it cannot give when the car passes over water bars, etc. At this time the rear axle moves backward, owing to the iluttening of the springs, and if the brake rods are drawn tight the strain comes on them, stretching or breaking some part. While using the foot brake the foot automatically yields to the strain, but if the emergency brake is set it cannot yield.

Motors Corporation and with the Bethlehem Motors Corporation is remarklable.

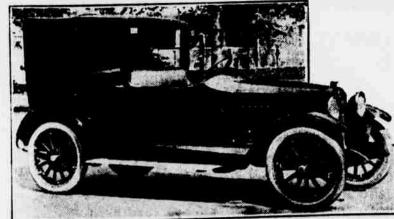
In announcing Mr. Murray's acceptance of this new post the secretary
of the Bethlehem Motors Corporation
made it quite clear that Mr. Murray
would continue as the executive and
active head of the Bethlehem Motors
Corporation at Allentown.

Speeding up and then applying, it the
car keeps on or swerves to one side the
brakes need adjusting. A better way to
test them is to jack up both rear wheels
the Marmon 34, but such
as is, like spark plugs hub caps, elecoil and gasolene gauges, headlights,
partment which machines and assemthe of the Bethlehem Motors
Corporation
active head of the Bethlehem Motors
Corporation at Allentown.

Speeding up and then applying, it the
car keeps on or swerves to one side the
brakes need adjusting. A better way to
test them is to jack up both rear wheels
the Marmon 34, but such
as is, like spark plugs hub caps, elecoil and gasolene gauges, headlights,
point rings, bail and roller bearings,
cap the continue as the catings go to the machines
for finishing there is an ever ready
interpretation to determine
whether the work is being done proptrical equipment, speedometers, clocks,
oil and gasolene gauges, headlights,
partment which machines and assemto finishing there is an ever ready
interpretation to determine
whether the work is being done proptrical equipment, speedometers, clocks,
oil and gasolene gauges, headlights,
partment which machines
and the "acid test" to see that it meets
the company's requirements. Very
little manufactured roaterial is purtest them is to jack up both rear wheels
and apply the emergency brake a few
as is, like spark plugs hub caps, elecoil and gasolene gauges, headlights,
partment which machines
for finishing there is an ever ready
whether the work is being done propwhether the work is being done propsis, like spark plugs hub caps, elecoil and gasolene gauges, headlights,
bles the coatings of the destines of the coatings of the coatings of the coatings of speeding up and then applying. If the car keeps on or swerves to one side the

There was tremendous buying under thousands of tire dealers 5.240,805 tour this unique stimulation. The winner cards, 510,000 tour books and 1.490,000 state map folders.

Society Folk Like This Liberty.



my it represents in first cost and in op-

EARLY BUYERS WILL WIN.

Saxon Dealer Points to Possibility

of Shortage.

their cars early may seem like a stock

Advising motor car buyers to select

their cars early may seem like a stock argument for spring time," says George S. Morrow, president of the Saxon Motor Company of New York. "but this year liere is no question but that the buyer who delays very long may find himself unable to get the car of his choice.

"This spring has been a busier one than any I have ever seen before in the sittomobile business. We have been literally swamped with orders for cars, and while we have been able to make deliveries to date there is no doubt that later in the season will see difficulties in getting cars from the factory.

"While the production of the Saxon blant this year will be large, the demand for these cars is so great that already I feel apprehensive that the end of the season will see the factory entirely sold out of this year's output. The public is sensorially to the saxon the year because of the season will see the factory entirely sold out of this year's output. The public is sensorially to the saxon the year because of the season will.

Many automobile schools are raising their rates of tuition. Because of the wonderful and continued growth of the Atkinson Auto School, we are able to offer the same excellent courses as formerly at the old prices. This is an announcement that we are very glad to make because it means that our graduates have been sat a led with us and have speken well of this school.

Let us prepare you now for your part in the Government service. Trained men and women are needed and will be needed throughout the war.

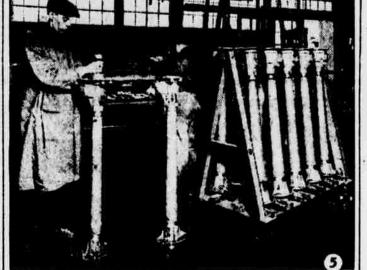
COMPLETE COURSE OF 60 HOURS SHOP PRACTICE AND 10 HOURS INDIVIDUAL ROAD WORK

Atkinson Auto School

235 West 50th Street (Near Broadway)

BUILDING THE MODERN AUTOMOBILE IS A FINE ART. A Jaunt Through the Marmon Factory—No. 2.





set it cannot yield.

"Where one brake rod passes through a tube carrying the other they may become frozen, that is, stuck together if taken in building the modern motor." they are not properly lubricated Be sure car—and especially the high priced that the grease cups are turned down at motor car. There is much talk about motor car. There is much talk about least one turn a day. If they do become inspection and tests, but it is hard to least one turn a day. If they do become seized, remove the lower part of the grease cup and force kerosene into the hole with an oil gun, working the brakes meanwhile to loosen them.

"Look over the equalizers, if they are provided, and adjust the rods to the same length to insure best action. It brake lining is badly worn waich the workman while he replaces it, and perhans the next time you can do it yourself.

if is turned over to a corps of in-"Test the brakes occasionally by seeding up and then applying. If the seeding up and then applying if the and the "acid test" to see that it meets

alderable experience in not only manufacturing these utilities but also in dis-

facturing these utilities but also in distributing them in large quantities. The personnel of the company will be announced within a few days.

A well equipped factory has been purchased in Detroit, Mich., the heart of the automobile industry. This factory is thoroughly equipped and has ample facilities for turning out several thousand trucks and tractors a year.

"Our company will build a one ton, two ton, 3 is ton, and a five ton model," says one of the officers. "Standard units of the highest class will be used. Our designers have the quality construction idea paramount in their mind."

The company also will manufacture two tractor models. The engineer who has designed the tractor model has had considerable experience in tractors, having designed a tractor which won the blue ribbon at the Los Angeles and San Francisco expositions.

The Power Truck and Tractor Company is not a new roomany from the

The Power Truck and Tractor Com-pany is not a new company from the standpoint of its product. The one ton model, which is now being efficiently placed on the market, has been in actual use for the past year and a haif. Du-plicate models have been in operation between Detroit and oertain Michigan One sees many of these smart Liberty cration a valuable ally. And the Librom one to three tons on each trip. In one case one truck made two trips a cold shoulder from the higher priced cars, way and detailed information has been like the times, have found the economic of the times of the t

No Increase Here

Special Classes for Ladies

"Where You Learn by Experience"



room.

"Floor inspection" in the rear axle department. The inspector is gauging the forque tube.

The spring rest. Not only are all big springs tested this way, but smaller springs as well.

LIBERTY CAR BOOMS BONDS.

LIBERTY CAR BOOMS BONDS.

LIBERTY CAR BOOMS BONDS.

Detroit.

Detroit.

GOODRICH'S TOURING SERVICE.

In its final effort to put its third Liberty Loan drive over with a bang, the Rainnew Division of the Automobile and Allied Trades purchased a Liberty roadster and offered it last evening to the proper and allied to hold it in position, but it will be better to have a helper if one is available.

The most important announcement in the automobile industry this week is that of the formation of the Power Truck and Tractor Company of Detroit.

Mich., which has just been incorporated for \$2,500.000. The organization includes a number of well known men in the proper in the machines are tested with his tool so that it conformed with said and out. The most important announcement in the automobile industry this week is that of the formation of the Power Truck and Tractor Company of Detroit.

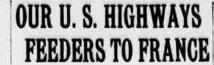
Mich., which has just been incorporated for \$2,500.000. The organization includes a number of well known men in the proper in the machines are tested with his tool so that it conformed with and later the machines are run to see that outer the size of the hub cans are true to fine the hispectar weald test the size of the hub cans are true to fine the inspector of the hub cans are true to see that outer to see that outer the size of the hub cans are true to see that outer to see that outer the size of the hub cans are true to fine the bits proper in the succession of the electrical apparatus are tested with his tool so that it conformed to the blue print from which the succession of the electrical apparatus are true to study the blue print from which the succession of the burdent the size of the hub cans are true to see that outer the size of the burdent the size of the size

in the Marmon 34, and most of the parts are cast in the foundry in the plant. As the castings are made they are delivered to the imspection department, and before any machine work is started very thorough investigations are made. Radiator shells, income, are made are made. Radiator shells, income, are shells, income, are shells, income, are shells, income, are she

the meiting pot

As the coatings go to the machines for finishing there is an ever ready crowd of inspectors to determine whether the work is being done prop-





Transportation One of the Biggest Factors in Winning the War.

"It has been said that 'the battle line in France is the battle line of America.' By the same token the American highways are all feeders to the battlefields of France." says W. O. Rutherford, second vice-president of the H. F. Goodrich Rubber Company, who has just been ond vice-president of the H. F. Goodfen Rubber Company, who has just been chosen to represent the Motor and Ac-cessory Manufacturers Association in the newly organized Highway Indus-tries Association.

"We all know that transportation is

one of the biggest factors in winning the war," continues Mr. Rutherford. 'Now let us understand at the outset that the word 'transportation' involves a number of agencies. It is not only freight trains and ships, but it is every-

so it is with iron ore, or with farm products and the whole range of food-stuffs. Speed up transportation—on the sea, on the railroads, on the highways. and we shall by that process overcome production shortages, fuel shortages and food shortages. The answer to our most serious current problem, namely, in-ability to make supply measure up to the demand, is speeding up our transportation agencies.
"It is a trait in human nature to veer

too strongly in one direction. The American public suddenly cries. Give us more ships. This same public, after checking the expansion of ratiroads for two decades, berates the rall curriers for inefficiency when the testing time comes. So far as our railroads are concerned we may still feel a commendable pride in what they have achieved and are achieving; but let us fancy for a moment that we possessed hundreds of locomotives and other rolling stock which could not be used because rail-road tracks were lacking. We would get busy and make roadbeds. Yet in another field of transportation a condition al-most parallel to this picture exists. We have close to half a million motor trucks in this country, but we are not getting the most out of them because only a scant portion of our roadways are in such condition as to admit of efficient

Haig's battle line in France. The Government is now trucking from the central West to the Atlantic seaboard, but bad roads make the work slow and doubtful. What is needed is highways with a foundation strong enough to carry heavy burdens and built into a network of national routes.

freight trains and ships, but it is everything that helps to move men or merchandise from one point to another; thus cansis, highways, horses, motor trucks, passenger cars are all to be considered as important factors in moving the world's goods.

"We talk about the shortage of coal. Dr. Garfield says so. There is enough coal in our mines to last a hundred years. And so it is with iron ore, or with farm our traffle problems, whether

answers our traffic problems, whether they be of war or of peace." According to Mr. Rutherford the Highway Industries Association recommends a central control and authority of all highway construction, for the pur-pose of assuring the development of roads essential to the hauling of munitions and supplies by motor trucks throughout the country, since transpor-tation is of paramount importance in winning the war.

AUTOS FOR SHORT VACATIONS. Many Owners Will Get Away Over

Sunday.

Will there be much touring this year? It is a question invariably asked when one or more motorists get together. F. W. Wright, distributer of the Dort, believes that while there may be fewer long trips taken the automobile will be

used more freely than ever before for short vacations. "Sensible people who have studied the vacation question with a view to obmore expense than is actually necessary will go in motor cars." he says. "This class of thrifty folk has multiplied many fold since the war began.

motor truck operation.

"The United States Government and our captains of industry recognize the importance of motor truck haulage. It has just as creat functioning power in carrying commerce as it has back of Haigs battle line in France. The Government is now trucking from the carry. "Of course there are quite a few who

network of national routes.

"The local viewpoint in roal building the tourist for bigger and better work

Uitche \$1250 and \$1525 f. o. b. Racine

More for \$1250 Than in Any Other Car

that price now.

120-Inch Wheelbase

The \$1250 Siz has a 120-inch wheelbase, which makes it the roomiest car in its class. Its long, low lines make it a strik-ing car.

The motor is a 40-horsehave for years given all their attention to Sixes, and this motor is the final result.

The car is very economical, both in fuel and in tires. The rear springs Te shock-absorb-ing. The equipment is extra-This is the only car of such size, power and class which is sold at \$1250 today

\$1250 Racia 120-In. Wheelbase 40 - Horsepower Six

\$1525 f. o. b. 127-In. Wheelbase 48-Horsepower Six

16 New-Style

brings out. New Specialists

style bodies, more attractive ideas than any other car

HE new Mitchell line offers many surprises. There is a new Light Six, long, roomy and

the only car of such size and power which sells at

There are more improvements than were ever before made in Mitchell cars in a year. There are more new-

powerful, which sells at \$1250 at factory. It is

In the past year many new experts have been added to the Mitchell organization. Each is a man who has made his mark in some part of car building.

These men have made a study of every Mitchell part. They have created new tests for strength and endurance, and built the parts to meet them.

They have fixed scores of new standards, to which parts must comply. They have doubled the tests and inspections, and installed costly machines to insure them.

To the Mitchell of last year - a 14-year development they have added the best they knew.

The new Mitchell bodies show the same super-standards.

A famous designer now gives his whole time to the Mitchell. The finish, the upholstery — all the details of comfort and luxury — are in charge of noted experts in the Mitchell body plant.

Yet efficiency methods minimize factory cost. So Mitchell Sixes, despite these improvements, still undersell all in their class. Come and see these new attractions.

MITCHELL MOTOR CAR CO. OF N. Y., INC.

Salesrooms - New York: Columbus Circle, Facing South. Tel. 8000 Col.

ARTHUR WALTER LIEBERS, Inc., 1450 Bedford Ave., Brooklyn, NEWARE - Foley Motor Car Co., 37 William St. BRONX MITCHELL MOTOR CO., 1821 Grand Concourse, Bronx, JERSEY CITY -D. W. Romaine, 225 Mercer St. Prices subject to change without notice

